

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/002480

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ H03K3/84

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ H03K3/84

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Toroku Jitsuyo Shinan Koho	1994-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	JP 62-264717 A (Nippon Bunko Kogyo Kabushiki Kaisha), 17 November, 1987 (17.11.87), Claim 1; Figs. 1, 2; page 5, upper left column, line 5 to page 6, upper left column, line 3 (Family: none)	1-5, 7-13, 18 6, 14-17
X A	JP 48-102557 A (Japan Atomic Energy Research Institute), 22 December, 1973 (22.12.73), Page 2, upper left column, last line to upper right column, line 10 (Family: none)	1-5, 7-13, 18 6, 14-17

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"&" document member of the same patent family

Date of the actual completion of the international search

24 May, 2004 (24.05.04)

Date of mailing of the international search report

08 June, 2004 (08.06.04)

Name and mailing address of the ISA/

Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	JP 51-111041 A (Director General, Agency of Industrial Science and Technology), 01 October, 1976 (01.10.76), Claims; all drawings (Family: none)	1-5, 7-13, 18 6, 14-17
X A	JP 8-265109 A (Kabushiki Kaisha Yuragi Kenkyusho et al.), 11 October, 1996 (11.10.96), Figs. 1, 2 (Family: none)	1-5, 7-13, 18 6, 14-17
X A	JP 5-243922 A (Alps Electric Co., Ltd.), 21 September, 1993 (21.09.93), Fig. 5 (Family: none)	1-13, 18 14-17